

A, 47. A material as claimed in claim 38 in which M is partially or fully substituted by a magnetic transition metal ion so as to display magnetically ordered states.

REMARKS

No new matter has been introduced into this application by reason of the claim amendments presented herewith. The only purpose of this Preliminary Amendment is to correct the form of Claims 4, 7, 10, 16, 19, 21, 23, 28, 30, 32, 36, 37, and 47 to avoid the prohibition in 37 CFR 1.75(c) against a multiple dependent claim serving as a basis for another multiple dependent claim. There is no intention to limit the scope of those claims either expressed or implied. A marked-up copy of the amended claims is attached hereto pursuant to 37 CFR 1.121(c)(3).

It is respectfully requested that the above amendments be entered prior to the first official action on this application.

Respectfully submitted,

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Attachment: Appendix A

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APPENDIX A

Claim Amendments

4. A material as claimed in claim 2 [or 3] having a general formula $X.M_mO_{3m+1}$ wherein M is the metal, and X is an organic cation and m=1, 2, 3.

7. A material as claimed in claim 5 [or 6] wherein the organic cation is a diammonium cation, the material is of composition $NH_3.A.NH_3.M_mO_{3m+1}$.

10. A material as claimed in claim 8 [or 9] wherein the organic cation is an aliphatic diammonium cation, and Z = $(CH)_n$, n=1, 2,..... .

16. A material as claimed in claim 8 [or 9] wherein the organic cation is an aromatic diammonium cation.

19. A material as claimed in [claims] claim 17 [or 18] in which adjacent aromatic rings are crosslinked to form an organic polymer layer.

21. A material as claimed in claim 2 [or 3] having a general formula $X'_2.M_mO_{3m+1}$ wherein M is the metal, and X' is an organic cation and m=1, 2, 3.

23. A material as claimed in [claims] claim 21 [or 22] wherein the configuration of organic layer relative to the inorganic layer is staggered.

28. A material as claimed in claim 25 [or 26] wherein one or both organic cation is an aromatic ammonium cation.

30. A material as claimed in claim 28 [or 29] in which adjacent aromatic rings are crosslinked to form an organic polymer layer.

32. A material as claimed in [any one of the preceding claims 1 to 30] claim 1 wherein dopants are introduced into the structure.

36. A material of [any one of the preceding claims 1 to 30] claim 1 in which M is partially or fully substituted by a magnetic transition metal ion so as to display magnetically ordered states.

37. An organic/inorganic oxide material of [any of claims 1 to 33] claim 1 in which the oxide layer comprising Mo_4 , M_2O_7 or $\text{M}_m\text{O}_{3m+1}$ is wholly replaced by any of the following oxide layers CuO_2 , NiO_2 , CoO_2 , $\text{CuO}_2\text{CaCuO}_2$, $\text{Ca}_{m-1}\text{Cu}_m\text{O}_{2m}$, $m=1, 2, 3, \dots$, $\text{NiO}_2\text{CaNiO}_2$, $\text{Ca}_{m-1}\text{Ni}_m\text{O}_{2m}$, $m=1, 2, 3, \dots$, square pyramidal MnO_3 , square pyramidal RuO_3 , octahedral RuO_4 , $\text{O}-\text{Mn}_2-\text{Y}-\text{MnO}_2-\text{O}$, $\text{O}-\text{MnO}_2-\text{Ca}-\text{MnO}_2-\text{O}$, $\text{O}-\text{RuO}_2-\text{YRuO}_2-\text{O}$, or $\text{O}-\text{RuO}_2-\text{Ca}-\text{RuO}_2-\text{O}$.

47. A material [one of claims] as claimed in claim 38 [to 46] in which M is partially or fully substituted by a magnetic transition metal ion so as to display magnetically ordered states.